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### (54) Information distribution system

(57) A method for multiplexing and demultiplexing commercial and program material within the context of, e.g., an MPEG1 or MPEG2 information distribution system. A system employing the method provides either a single terrestrial broadcast channel or a "virtual head-end" as part of an uplink site which encodes advertising materials, associates the advertising material with "tags" indicative of demographic or content categorisation affinity, and provides the tagged advertising material, along with program material to one or more information consumers.

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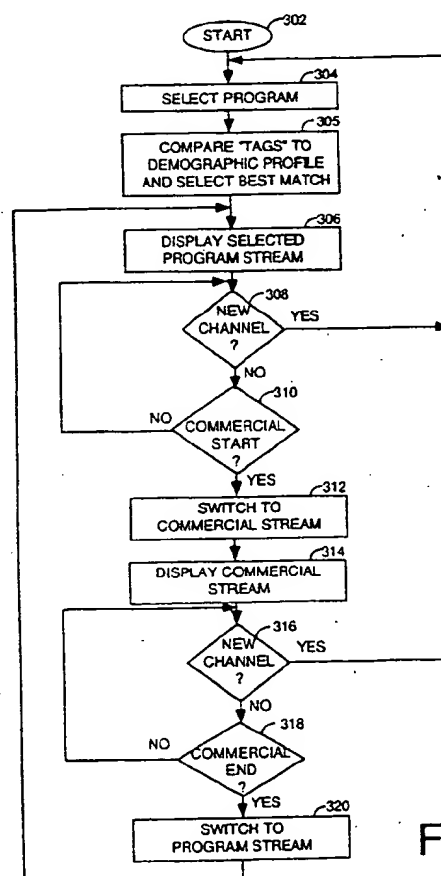


FIG. 3



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# EUROPEAN SEARCH REPORT

Application Number  
EP 99 30 4652

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int.Cl.6)
D,X	WO 97 45965 A (SARNOFF CORP) 4 December 1997 (1997-12-04)	1,14	H04N7/24
Y	* abstract * * page 2, line 10 - line 17 * * page 6, line 1 - line 22 * ---	2-11	
X	US 4 602 279 A (FREEMAN MICHAEL J) 22 July 1986 (1986-07-22)	12,13,15	
Y	* column 3, line 5 - column 3, line 15 * * column 6, line 33 - column 6, line 49 * * column 7, line 12 - column 7, line 31 * * column 8, line 29 - column 8, line 65 * * figure 2 * ---	2-4,7-11	
Y	US 5 400 401 A (LUCAS KEITH ET AL) 21 March 1995 (1995-03-21) * column 5, line 31 - column 6, line 2; figure 1 * * column 22, line 1 - line 39; figure 17 * ---	5,6	
A	EP 0 837 609 A (NEXTLEVEL SYSTEMS INC) 22 April 1998 (1998-04-22) * abstract; figure 4 * * page 7, line 13 - line 21 * * page 13, line 48 - page 14, line 5 * * page 15, line 23 - line 29 * ---	1,14	TECHNICAL FIELDS SEARCHED (Int.Cl.6)
A	EP 0 822 718 A (DISCOVERY COMMUNICAT INC) 4 February 1998 (1998-02-04) * abstract * * page 6, line 6 - line 17 * * page 11, line 11 - line 46 * * page 12, line 15 - line 17 * * page 16, line 28 - line 31 * * paragraphs [0007]-[0009] * -----	1-15	H04N
The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 14 September 2000	Examiner Beaudet, J
<p>CATEGORY OF CITED DOCUMENTS</p> <p>X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document</p> <p>T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons &amp; : member of the same patent family, corresponding document</p>			

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**ANNEX TO THE EUROPEAN SEARCH REPORT  
ON EUROPEAN PATENT APPLICATION NO.**

EP 99 30 4652

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The members are as contained in the European Patent Office EDP file on  
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14-09-2000

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
WO 9745965 A	04-12-1997	EP 0901718 A	17-03-1999
		WO 9746027 A	04-12-1997
		US 6038000 A	14-03-2000
US 4602279 A	22-07-1986	NONE	
US 5400401 A	21-03-1995	AU 5575894 A	24-05-1994
		BR 9307339 A	01-06-1999
		CA 2148270 A	11-05-1994
		EP 0682830 A	22-11-1995
		JP 8503823 T	23-04-1996
		US 5359601 A	25-10-1994
		WO 9410775 A	11-05-1994
		US 5418782 A	23-05-1995
EP 0837609 A	22-04-1998	US 5917830 A	29-06-1999
		AU 4190197 A	23-04-1998
		CA 2218160 A	18-04-1998
		JP 10191325 A	21-07-1998
		NO 974764 A	11-05-1998
		NZ 328960 A	27-05-1998
EP 0822718 A	04-02-1998	EP 0920208 A	02-06-1999
		AT 177277 T	15-03-1999
		AT 176840 T	15-03-1999
		AT 192005 T	15-05-2000
		AT 190180 T	15-03-2000
		AT 183352 T	15-08-1999
		AT 176841 T	15-03-1999
		AU 715683 B	10-02-2000
		AU 4440797 A	29-01-1998
		AU 712157 B	28-10-1999
		AU 4532597 A	05-02-1998
		AU 693775 B	09-07-1998
		AU 5732994 A	04-07-1994
		AU 692427 B	11-06-1998
		AU 5733094 A	04-07-1994
		AU 691479 B	21-05-1998
		AU 5733194 A	04-07-1994
		AU 692428 B	11-06-1998
		AU 5733294 A	04-07-1994
		AU 5736394 A	04-07-1994
		AU 5845894 A	22-06-1994
		AU 5869894 A	04-07-1994
		AU 716184 B	24-02-2000
		AU 6066798 A	04-06-1998

EPO FORM P3459

For more details about this annex : see Official Journal of the European Patent Office, No. 12/82

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